

NO  
RCHA  
Listing

560901-A0903

0010650010

RECEIVED

MAY 2 1988

NFA-111W  
7/26/88

NO  
haz  
substance

EPA		POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 SITE INFORMATION AND ASSESSMENT		Pre-Remedial IDENTIFICATION	
II SITE NAME AND LOCATION		01 SITE NAME (Legal, common or descriptive name of site)		02 STREET ROUTE NO OR SPECIFIC LOCATION IDENTIFIER	
Kalo Agricultural Chemicals, Inc		525 Kentucky Street			
03 CITY		04 STATE 05 ZIP CODE		06 COUNTY	
Quincy		IL 62301		Adams	
08 COORDINATES		07 COUNTY CODE		08 CONG DIST	
LATITUDE 39 55 42.0		LONGITUDE 091 24 40.0		001 20	
10 DIRECTIONS TO SITE (Starting from nearest public road) Take U.S. Route 24 west (becomes 3rd Street in Quincy), go past Main Street (where 24 goes west over Quincy Memorial Bridge) 3 blocks to Kentucky Street Take a left going east on Kentucky, Site is on Northwest corner of 6th and Kentucky					
III RESPONSIBLE PARTIES					
01 OWNER (If known)		02 STREET (Business, mailing, residential)			
Kalo Agricultural Chemicals, Inc		4550 West 109th St, Suite 222			
03 CITY		04 STATE 05 ZIP CODE		06 TELEPHONE NUMBER	
Overland Park		KS 66211		(913) 491-9125	
07 OPERATOR (If known and different from owner)		08 STREET (Business, mailing, residential)			
Not in operation					
09 CITY		10 STATE 11 ZIP CODE		12 TELEPHONE NUMBER	
				( )	
13 TYPE OF OWNERSHIP (Check one)					
<input checked="" type="checkbox"/> A PRIVATE <input type="checkbox"/> B FEDERAL <input type="checkbox"/> C STATE <input type="checkbox"/> D COUNTY <input type="checkbox"/> E MUNICIPAL					
<input type="checkbox"/> F OTHER <input type="checkbox"/> G UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)					
<input type="checkbox"/> A RCRA 3001 DATE RECEIVED MONTH DAY YEAR <input type="checkbox"/> B UNCONTROLLED WASTE SITE (CERCLA 103 d) DATE RECEIVED MONTH DAY YEAR <input checked="" type="checkbox"/> C NONE					
IV CHARACTERIZATION OF POTENTIAL HAZARD					
01 ON SITE INSPECTION		BY (Check all that apply)			
<input checked="" type="checkbox"/> YES DATE 7, 27, 83		<input type="checkbox"/> A EPA <input type="checkbox"/> B EPA CONTRACTOR <input checked="" type="checkbox"/> C STATE <input type="checkbox"/> D OTHER CONTRACTOR			
<input type="checkbox"/> NO		<input type="checkbox"/> E LOCAL HEALTH OFFICIAL <input type="checkbox"/> F OTHER			
MONTH DAY YEAR 8 9 84		(Specify)			
02 SITE STATUS (Check one)		03 YEARS OF OPERATION			
<input type="checkbox"/> A ACTIVE <input checked="" type="checkbox"/> B INACTIVE <input type="checkbox"/> C UNKNOWN		1933 1986 <input type="checkbox"/> UNKNOWN			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT KNOWN OR ALLEGED					
pesticides (toxic)					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION					
groundwater (environment) surface water (environment)					
V PRIORITY ASSESSMENT					
01 PRIORITY FOR INSPECTION (Check one if high or medium is checked complete Part 2 Waste Information and Part 3 Description of Hazardous Conditions and Incidents)					
<input type="checkbox"/> A HIGH (Inspection required promptly) <input type="checkbox"/> B MEDIUM (Inspection required) <input type="checkbox"/> C LOW (Inspect on time available basis) <input checked="" type="checkbox"/> D NONE (No further action needed complete current disposition form)					
VI INFORMATION AVAILABLE FROM					
01 CONTACT		02 OF (Agency/Organization)		03 TELEPHONE NUMBER	
Jerry Wise		Kalo Agricultural Chemicals, Inc		1913 1491-9125	
04 PERSON RESPONSIBLE FOR ASSESSMENT		05 AGENCY		06 ORGANIZATION	
Timothy J Murphy		IEPA		RPMS/Pre Remedial	
		07 TELEPHONE NUMBER		08 DATE	
		1217 785-5737		3, 18, 88	

EPA FORM 2070-12 (7-81)

EPA Region 5 Records Ctr



343671



<b>01 PHYSICAL STATES</b> Check all that apply  <input type="checkbox"/> A SOLID <input checked="" type="checkbox"/> B POWDER FINES <input type="checkbox"/> C SLUDGE  <input type="checkbox"/> D OTHER _____ (Specify)	<b>02 WASTE QUANTITY AT SITE</b> Measures of waste quantities must all be completed  TONS      165  CUBIC YARDS  NO OF DRUMS      4	<b>03 WASTE CHARACTERISTICS</b> Check all that apply  <input checked="" type="checkbox"/> A OXIC <input type="checkbox"/> B CORROSIVE <input type="checkbox"/> C RADIOACTIVE <input checked="" type="checkbox"/> D PERSISTENT  <input type="checkbox"/> E SOLUBLE <input type="checkbox"/> F INFECTIOUS <input type="checkbox"/> G FLAMMABLE <input type="checkbox"/> H IGNITABLE  <input type="checkbox"/> I HIGHLY VOLATILE <input type="checkbox"/> J EXPLOSIVE <input type="checkbox"/> K REACTIVE <input type="checkbox"/> L INCOMPATIBLE <input type="checkbox"/> M NOT APPLICABLE
--	--	--

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES	37515	pounds	
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

[illegible]

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	Arsonic trioxide	1327533	FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

IEPA Division of Land Pollution Control files 0010650010



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I IDENTIFICATION

01 STATE 02 SITE NUMBER  
140 068517093

II HAZARDOUS CONDITIONS AND INCIDENTS

(1)	01 <input checked="" type="checkbox"/> A GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED <u>0</u> if any spills or backdoor dumping occurred there would be a potential for groundwater contamination	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
(2)	01 <input checked="" type="checkbox"/> B SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED <u>0</u> Site is 2270 feet from the river, but site is in geographic basin where storm drains take surface runoff to WWTP. If WWTP is ineffective in neutralizing any site releases, the river would receive the contaminant.	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
	01 <input type="checkbox"/> C CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED _____ UNKNOWN	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	POTENTIAL <input type="checkbox"/> ALLEGED
	01 <input type="checkbox"/> D FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED _____ UNKNOWN	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
	01 <input type="checkbox"/> E DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED _____ UNKNOWN	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	POTENTIAL <input type="checkbox"/> ALLEGED
(3)	01 <input checked="" type="checkbox"/> F CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED <u>                    </u> (Acres) if dumping or spills had occurred soil could become contaminated in courtyard area	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
	01 <input type="checkbox"/> G DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED _____ None	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	POTENTIAL <input type="checkbox"/> ALLEGED
	01 <input type="checkbox"/> H WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED _____ UNKNOWN	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
	01 <input type="checkbox"/> I POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED _____ UNKNOWN	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I IDENTIFICATION  
01 STATE 02 SITE NUMBER  
1LD 068517093

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
UNKNOWN

01 ☐ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
UNKNOWN

01 ☐ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
UNKNOWN

(4) 01 ☒ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills, runoff, standing liquids, leaking drums)  
03 POPULATION POTENTIALLY AFFECTED \_\_\_\_\_

02 ☐ OBSERVED (DATE \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

all wastes were well contained on the site in Hazardous Waste Storage Area

(5) 01 ☒ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED

possible in Metal Warehouse and Old Gem City Electric Bldg were mixing and bagging occurred in these leased buildings Dust was noticed sticking to insulation

(6) 01 ☒ O. CONTAMINATION OF SEWERS STORM DRAINS WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED

Site is in a geographic basin where storm drains receive all surface runoff  
Storm drains are intercepted by sewage system

(7) 01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED

prior to reblending, little is known about what was done with wash water from cleaning equipment or dust and powders from floor sweepings

05 DESCRIPTION OF ANY OTHER KNOWN POTENTIAL OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED 42500

IV. COMMENTS

A site reconnaissance conducted March 18, 1988 found no potential environmental concerns. The only area where contamination could possibly exist is the courtyard area (see map), this area, however, slopes toward a storm drain. The insides of the buildings may have pesticide residues incorporated in the building fixtures - walls, wood floors, insulation, etc.

V. SOURCES OF INFORMATION (Cite specific references e.g. state files, sample analysis reports)

(4)(1) IEPA DLPC files 0010650010 (ETI Closure Plan) Interview with Brian Vanmeado of T-C Bldg Corp  
Phone calls with: Jerry Wise of Kalo Ag Chem, Inc; Dick Shankland of Adams County Health Dept;  
Salesperson for Big low Real Estate; Nickolas Kohl, former Plant Supervisor, Site reconnaissance (5)(6)



DATE April 13, 1988

TO Don Josif, USEPA

FROM Timothy J Murphy, IEPA Tjm

SUBJECT LPC #0010650010 -- Adams County  
Kalo Agricultural Chemicals, Inc  
ILD068517093  
Superfund/HRS

### EXECUTIVE SUMMARY

Kalo Agricultural Chemicals, Incorporated's home office is located at 4450 West 109th Street, Suite 222, Overland Park, Kansas 66211. The Quincy, Illinois plant is located at 525 Kentucky Street and has formulated pesticides and fungicides from 1933 to May 1986 (Standard Industrial Code #2898). When Kalo Agricultural Chemicals, Inc. decided to cease operations at the Quincy facility, the Illinois EPA had the company submit a RCRA Closure Plan for the hazardous waste storage area on the third floor of the Kalo Building. The closure plan was approved after additions were made clarifying specific clean-up objectives. ETI of North America, Inc. is acting for Kalo Agricultural Chemicals, Inc. in the closure process.

The Kalo facility is located near the center of the city at the northwest corner of the intersection of 6th Street and Kentucky Street with a lot size of 71' 7 5" by 142'. The Kalo Building was used for the blending of dry thiram and lindane products on the first and second floors and the second and third floors were used for the storage of raw material and finished product. The hazardous waste storage area was a 15' by 15' designated area on the third floor. Two buildings were leased by Kalo from the T-C Building Corporation for approximately the last 10 years of operations at the facility - the Gem City Electric Building was used for the formulation and blending of liquid thiram and lindane based products, while the metal warehouse was used for loading, unloading, storage and bagging. Both buildings are located just north of the Kalo Building. A list of items involved in the manufacturing or packaging are included in the closure plan which is enclosed in the P A.

ETI of North America, Inc.'s closure plan consists of cleaning the hazardous waste storage area only. Four fiber drums containing thiram and 2-4-D salts (U244 and U240) will be overpacked and properly disposed of in a Class III landfill as will hepta filters, filter bags, and resulting clean-up material. This area will be resampled to verify clean-up objectives. More clean-up details are found in the attached closure plan. Kalo Agricultural Chemicals, Inc. is trying to sell the property. Bigalow Real Estate in Quincy has been listing the property for about two years.

During an Interim Status Standards Inspection on August 9, 1984, Mr William E Zierath of the Illinois EPA interviewed Mr Nicholas Kohl, Production Manager of the Quincy Plant According to Kohl, the major form of waste was floor sweepings of thiram from around the production area and waste water from cleaning the equipment Mr Kohl said the waste water would be used as production water during the next production season In the closure plan it is noted that for the last several years, floor sweepings have been reblended with the following production runs The four drums in the hazardous waste storage area were generated prior to reblending Mr Zierath wrote that for discharges, there should not be any All spills can be contained by either diatomaceous earth for liquid thiram or floor sweep compound for dry powdered thiram An on-site reconnaissance was conducted by this author on March 18, 1988 and no obvious releases were noted

The site reconnaissance also found little evidence of a direct contact route All buildings were locked except for the metal warehouse where Brian Yanmeado was storing material for Merle Tieken of the T-C Building Corporation During an interview and look around in the metal warehouse and old Gem Building, it was determined that the only publicly accessible area would be in the courtyard where white mineral oil was stored This small area was partially covered by gravel and sloped toward a concrete area with a drain Any dumping in this area would end up in the storm drain All of the buildings used by the facility had concrete foundations Both the Kalo Building and old Gem Building had storm drains in the basement

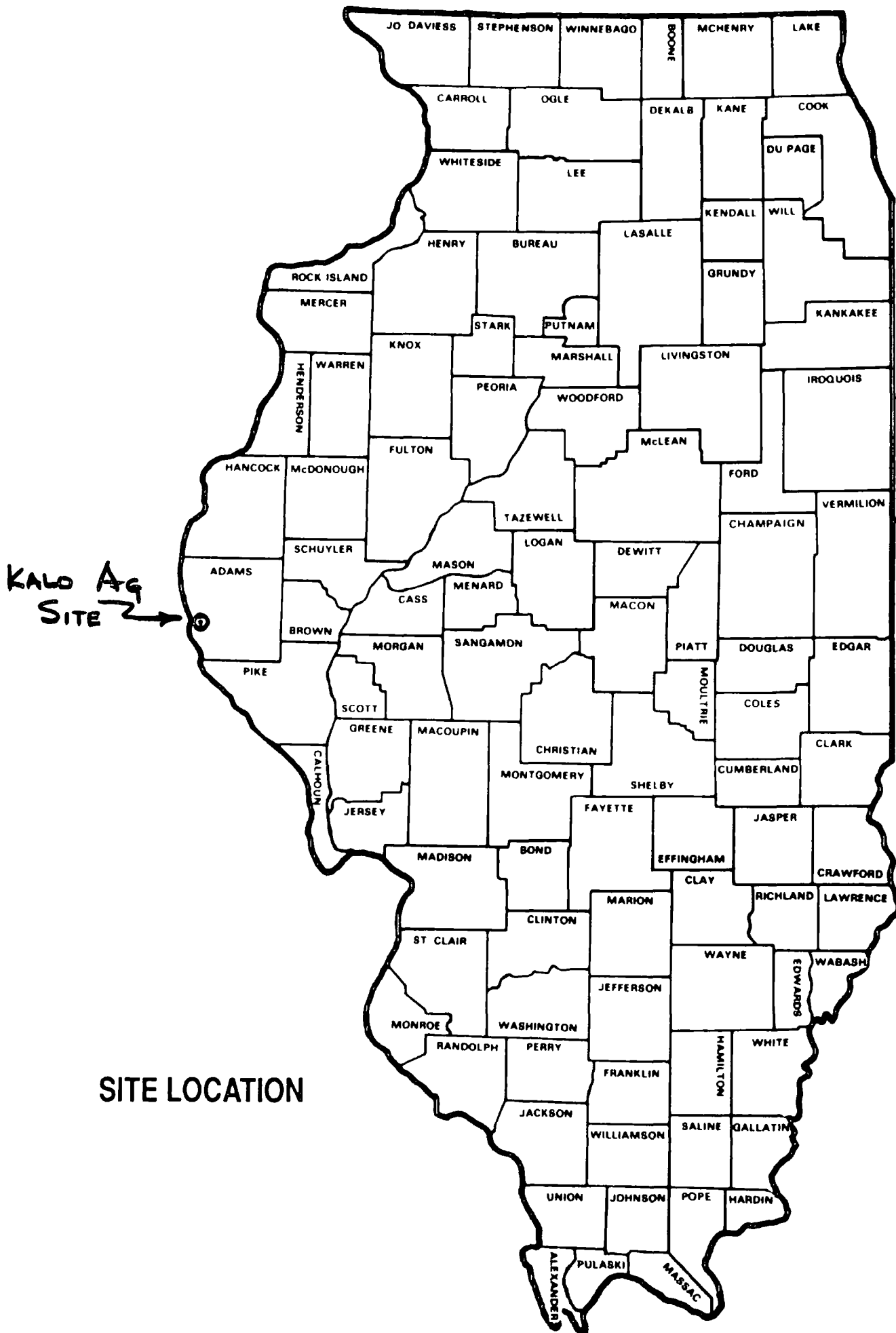
The City of Quincy was settled on a bluff overlooking the Mississippi River Geology of the area consists of wind blown silts (loess) over limestone bedrock Although Kalo Agricultural Chemicals is only about 2270' from the river, the site is located in a geographically closed basin Surface water drainage is by storm drains that are intercepted by the sewage system which drains to the City of Quincy Waste Water Treatment Plant (WWTP) The WWTP is over 1 5 miles downstream of the two intakes that supply Quincy with water Quincy has a population of 42,500 that obtain potable water solely from the river

The Adams County Health Department has reported no incidents or complaints about Kalo's Quincy facility and no public comments were received by the Illinois EPA, Division of Land Pollution Control's permit staff concerning the public notice of closure first published on March 2, 1987 Because preliminary and projected HRS show no need for a site inspection, a no further remedial action plan has been assessed for Kalo Agricultural Chemicals, Incorporated in Quincy, Illinois

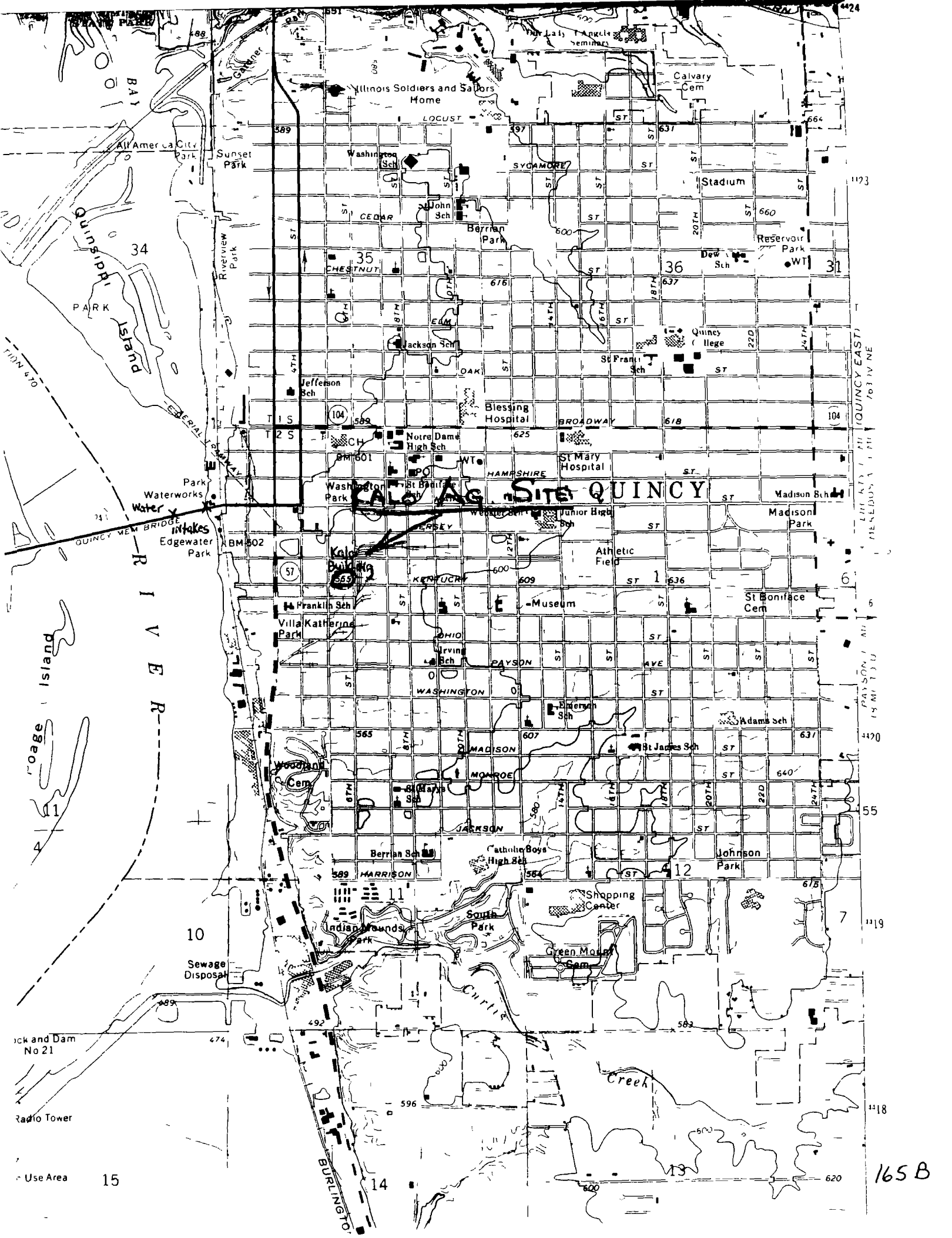
TJM tk 4/29/5-2

Attachment

cc Division File  
Springfield Region



SITE LOCATION





Slope →

④ ③

②

← Slope

6TH ST

Hazardous Waste Storage Area  
3rd Floor

METAL WAREHOUSE

OLD GEM BLDG

KALO Building

DOCK

Kentucky Street  
Slope →

525

⑨ ⑧

⑩

⑦

⑥

SEWER

Tank

COURTYARD



**ETI** OF NORTH AMERICA  
Environmental Management  
4000 W. 108th, Ste 422B Overland Park, KS 66207

REVISIONS			KALO		
NO	DATE	BY	DATE	BY	DESCRIPTION
1					AREA DRAWING
2					QUINCY ILLINOIS PLANT
3			DATE	SCALE	ASB NO
			12/31/86	3/8" = 1'	0781
4			DATE	SCALE	ASB NO
			12/31/86	3/8" = 1'	0781-102

⑤

Date: 18 March 88

Time: 11:10 A.M. P.M.

Photograph By:

Timothy J. Murphy

Location: LPC-

Co.

Comments: Photograph taken

toward the Northwest across  
the intersection of 6<sup>th</sup>  
Street and Kentucky Street



Date: 18 March 88

Time: 11:12 (A.M.) P.M.

Photograph By:

Timothy J. Murphy

Location: LPC-

Co.

Comments: Photograph taken

toward the West across  
6<sup>th</sup> Street





Date: 18 March 88

Time: 11:12 (A.M.) P.M.

Photograph By: (3)

Timothy J. Murphy

Location: LPC-

Co.

/

Comments: Photograph taken

toward the west across

6<sup>th</sup> Street



Date: 18 March 88

Time: 11:13 (A.M.) P.M.

Photograph By: (4)

Timothy J. Murphy

Location: LPC-

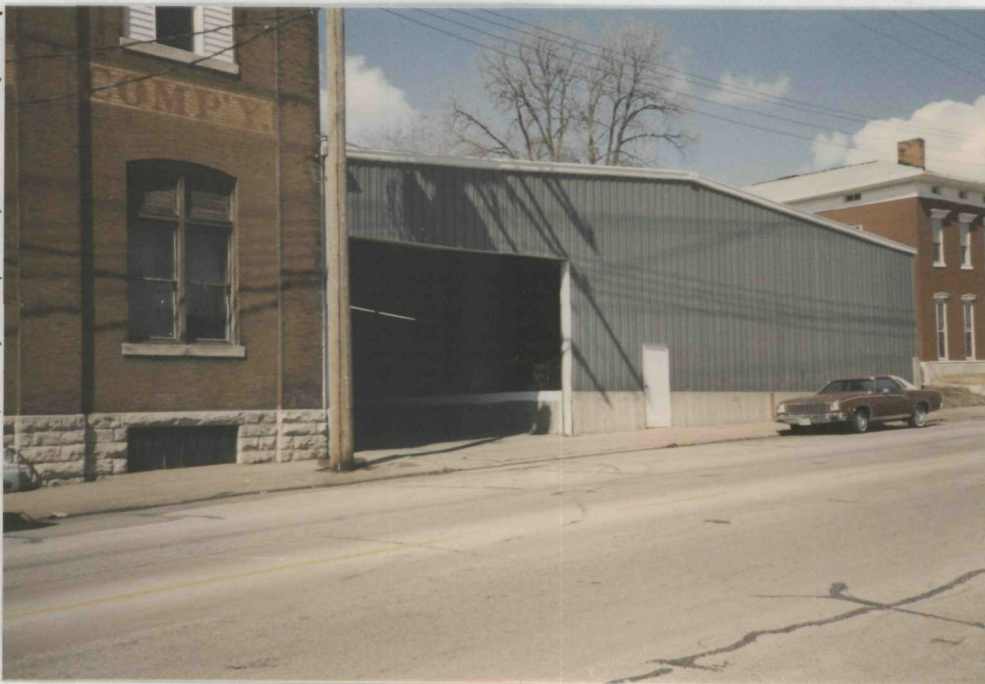
Co.

/

Comments: Photograph taken

toward the Northwest across

6<sup>th</sup> Street





Date: 18 March 88

Time: 11:14 (A.M.) P.M.

Photograph By: \_\_\_\_\_

Timothy J. Murphy (5)

Location: LPC-

\_\_\_\_\_ Co.

\_\_\_\_\_ /

Comments: Photograph taken

toward the Southeast in alley

overlooking Cheerful Home

DayCare Center playground with

Kalo bldg. in background



Date: 18 March 88

Time: 11:15 (A.M.) P.M.

Photograph By: \_\_\_\_\_

Timothy J. Murphy (6)

Location: LPC-

\_\_\_\_\_ Co.

\_\_\_\_\_ /

Comments: Photograph taken

toward the Southeast behind

Old Gem City Electric bldg.





Date: 18 March 88

Time: 11:16 (A.M.) P.M.

Photograph By:

(7)

Timothy J. Murphy

Location: LPC-

Co.

Comments: Photograph taken

toward the South-Southwest  
behind Old Gem City Electric  
bldg.



Date: 18 March 88

Time: 11:35 (A.M.) P.M.

Photograph By:

(8)

Timothy J. Murphy

Location: LPC-

Co.

Comments: Photograph taken

toward the West in Metal  
Warehouse





Date: 18 March 88

Time: 11:36 (A.M.) P.M.

Photograph By: (9)

Timothy J. Murphy

Location: LPC-

Co.

Comments: Photograph taken  
toward the Northeast in Metal  
Warehouse, Brian Yanmeado  
pictured



Date: 18 March 88

Time: 11:40 (A.M.) P.M.

Photograph By: (10)

Timothy J. Murphy

Location: LPC-

Co.

Comments: Photograph taken  
toward the Northeast in  
Old Gem City Electric bldg of  
former mixing area

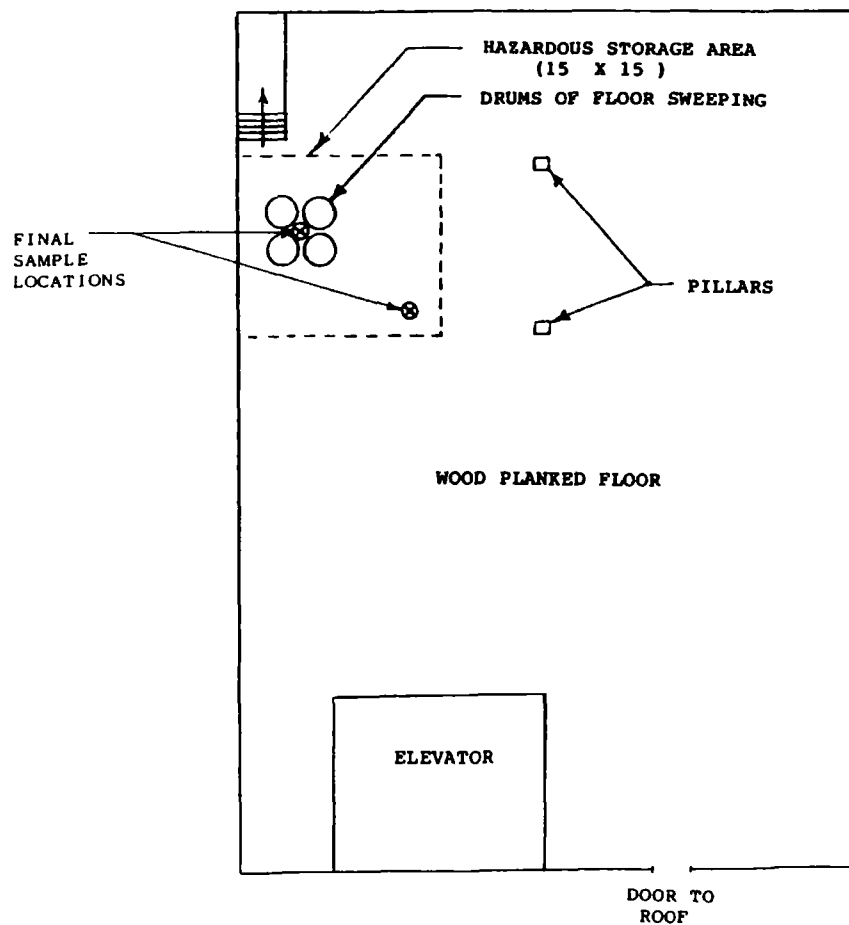


**SITE PICTURES**



**KALO Building, 525 Kentucky Street  
(Looking Northwest)**





Hazardous Waste Storage Area  
3rd Floor  
KALO Building 525 Kentucky Street



**ETI** CF NORTH AMERICA  
Environmental Technology  
4050 W. 12th St. #228 Overland Park, KS 66207

KALO				I I h m I I	
STORAGE FACILITY LAYOUT					
QU	CT	NO	LA		
12	3/4	1	1		
2	3/4	16	1		
				0781-103	